CLAIMS:

1. A tuner comprising an input section for converting a radio frequency signal to a sampled intermediate signal, a threshold generator for generating a threshold as a first function of an average of amplitudes of a plurality of samples of said intermediate signal, a comparator for comparing said amplitude of each of said samples with said threshold, and a corrector responsive to said comparator for setting to zero each of said samples whose amplitude is greater than said threshold, said threshold generator excluding from said average any of said samples whose amplitude exceeds said threshold.

2. A tuner as claimed in claim 1, in which said corrector is arranged to set to zero n consecutive ones of said samples after each of said samples whose amplitude is greater than said threshold, where n is a positive integer.

3. A tuner as claimed in claim 1, in which said corrector is arranged to set to zero m consecutive ones of said samples before each of said samples whose amplitude is greater than said threshold, where m is a positive integer.

4. A tuner as claimed in claim 1, in which said average is a moving average.

5. A tuner as claimed in claim 1, in which said threshold is greater than a product of said average and a peak-to-average ratio of said intermediate signal.

6. A tuner as claimed in claim 1, in which said threshold is greater than three times said average.

7. A tuner as claimed in claim 1, in which said input section comprises a zero intermediate frequency converter.

8. A tuner as claimed in claim 1, in which said input section has in-phase and quadrature outputs for supplying said samples.

9. A tuner as claimed in claim 1, in which said input section comprises an analogue/digital converter for forming said samples as digital samples.

10. A tuner as claimed in claim 1, comprising a COFDM demodulator.

11. A tuner as claimed in claim 1, comprising a fast Fourier transformer for processing said samples from said corrector.

12. A set top box comprising a tuner comprising an input section for converting a radio frequency signal to a sampled intermediate signal, a threshold generator for generating a threshold as a first function of an average of amplitudes of a plurality of samples of said intermediate signal, a comparator for comparing said amplitude of each of said samples with said threshold, and a corrector responsive to said comparator for setting to zero each of said samples whose amplitude is greater than said threshold, said threshold generator excluding from said average any of said samples whose amplitude exceeds said threshold.

13. A television receiver comprising a tuner comprising an input section for converting a radio frequency signal to a sampled intermediate signal, a threshold generator for generating a threshold as a first function of an average of amplitudes of a plurality of samples of said intermediate signal, a comparator for comparing said amplitude of each of said samples with said threshold, and a corrector responsive to said comparator for setting to zero each of said samples whose amplitude is greater than said threshold, said threshold generator excluding from said average any of said samples whose amplitude exceeds said threshold.

14. A television signal recorder comprising a tuner comprising an input section for converting a radio frequency signal to a sampled intermediate signal, a threshold

generator for generating a threshold as a first function of an average of amplitudes of a plurality of samples of said intermediate signal, a comparator for comparing said amplitude of each of said samples with said threshold, and a corrector responsive to said comparator for setting to zero each of said samples whose amplitude is greater than said threshold, said threshold generator excluding from said average any of said samples whose amplitude exceeds said threshold.